



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

TITLE: **TRAFFIC SIGNAL TECHNICIAN I - II**

DEFINITION: Under general supervision, performs skilled work on analog and digital solid state controllers, computers and other solid state traffic control equipment.

DISTINGUISHING CHARACTERISTICS:

Grade Level I - Performs the duties of the classification.

Grade Level II - Supervises and performs the duties of the classification and has a level II International Municipal Signal Association certification.

REPORTS TO: Traffic Signal Coordinator

EXAMPLES OF DUTIES:

- Adapts, assembles, install, maintains, wires, modifies, and updates traffic signals, microwave and cable telemetering systems and control equipment;
- Synchronizes traffic signal systems;
- Strings and pulls wires and cables;
- Operates environmental chamber to test equipment to State and NEMA specifications;
- Tests and calibrates traffic control equipment to State and NEMA specifications;
- Reconstructs and refurbishes traffic signal equipment;
- Performs heavy manual labor;
- Assists in designing and fabricating special electronic apparatus and systems;
- Installs traffic signal service and controller cabinets;
- Installs traffic signal poles, pedestrian and vehicle indicators and other related equipment;
- Installs and repairs traffic signal conduit, traffic signal safety lighting and illuminated street name signs;
- Checks signal coordination and timing;
- Repairs small AC motors, controls and battery chargers;
- Repairs A/C outlets and switches;
- Performs light maintenance on tools;
- Observes safety rules and regulations;
- Maintains records and prepares reports;
- May determine job requirements and estimate costs;
- May coordinate and supervise the programming of traffic signal computer systems, including installation; repair of microwave, aerial and underground cable control systems;
- May coordinate and supervise installation of specialized intersections, safety lighting and interconnect systems;

TRAFFIC SIGNAL TECHNICIAN I-II (continued)

- May interface with client departments and contractors;
- May review construction work in progress and upon completion;
- May train, assign and supervise personnel;
- May analyze, review and make recommendations on plans and specifications;
- May plan and schedule work;
- Performs other related duties as required.

MINIMUM REQUIREMENTS:

Two years of experience in the maintenance and repair of complex electronic analog and digital solid state equipment. Satisfactory completion of college level courses in electronics may be substituted for experience on a year-for-year basis;

AND

Proof of one or more years of college-level programming courses or one or more years of programming experience in assembly language computer programming;

Proof of International Municipal Signal Association certification level I;

Knowledge of associated test equipment and ability to read schematics and blueprints;

Good oral and written communication skills;

Willingness to work overtime, weekends and holidays;

A valid motor vehicle operator license.

HISTORY:

Title changed from Traffic Signal Electrician 07/01/88, Senior Traffic Signal Electrician consolidated to level II 08/03/88, revised 07/28/88.

Approval/Adoption Dates: 07/28/88 - Human Resources Department
08/03/88 - Civil Service Commission